

## EAST Search History

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--|------------------|---------|------------------|
| S31   | 29533 | (118/715.cccls. or 118/728.cccls. or 118/50.cccls. or 156/445.29.cccls. or 156/345.33.cccls. or 156/345.35.cccls. or 156/345.36.cccls. or 156/345.51.cccls.) or (137/262-264.cccls. or 137/434.2 or 137/560.cccls. or 137/561.cccls. or 137/561.a.cccls. or 137/571-576.cccls. or 137/590.cccls. or 137/594-596.cccls. or 137/599.01.cccls. or 137/599.05-599.07.cccls. or 137/602.cccls.) or ((141/285-286.cccls. or 141/37.cccls. or 141/44-47.cccls. or 141/54.cccls. or 141/301-302.cccls. or 141/367.cccls.) or (261/127.cccls. or 261/131.cccls. or 261/146-147.cccls. or 261/150.cccls.) or (261/19-22.cccls. or 261/23.1.cccls. or 261/40.cccls. or 261/42.cccls. or 261/62-63.cccls.) or (261/64.1.cccls. or 261/65.cccls. or 261/75-76.cccls. or 261/94-96.cccls. or 261/100-102.cccls. or 261/105.cccls. or 261/108-109.cccls. or 261/113.cccls. or 261/114.1.cccls.)   | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/04/19 15:54 |
| S34   | 7874  | 137/262-264.cccls. or 137/454.2 or 137/560.cccls. or 137/561.cccls. or 137/599.05-599.07.cccls. or 137/599.01.cccls. or 137/594-596.cccls. or 137/599.01.cccls. or 137/599.05-599.07.cccls. or 137/602.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S35   | 2413  | 141/285-286.cccls. or 141/37.cccls. or 141/44-47.cccls. or 141/54.cccls. or 141/301-302.cccls. or 141/367.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S36   | 471   | 261/127.cccls. or 261/131.cccls. or 261/146-147.cccls. or 261/150.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S37   | 2607  | 261/19-22.cccls. or 261/23.1.cccls. or 261/40.cccls. or 261/42.cccls. or 261/62-63.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S38   | 7161  | 261/64.1.cccls. or 261/65.cccls. or 261/75-76.cccls. or 261/94-96.cccls. or 261/100-102.cccls. or 261/105.cccls. or 261/113.cccls. or 261/114.1.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S39   | 29603 | (118/715.cccls. or 118/728.cccls. or 118/50.cccls. or 156/445.29.cccls. or 156/345.33.cccls. or 156/345.34.cccls. or 156/345.35.cccls. or 156/345.36.cccls. or 156/345.51.cccls.) or (137/262-264.cccls. or 137/434.2 or 137/560.cccls. or 137/561.cccls. or 137/561.a.cccls. or 137/571-576.cccls. or 137/590.cccls. or 137/594-596.cccls. or 137/599.01.cccls. or 137/599.05-599.07.cccls. or 137/602.cccls.) or ((141/285-286.cccls. or 141/37.cccls. or 141/44-47.cccls. or 141/54.cccls. or 141/301-302.cccls. or 141/367.cccls.) or (261/127.cccls. or 261/131.cccls. or 261/146-147.cccls. or 261/150.cccls.) or (261/19-22.cccls. or 261/23.1.cccls. or 261/40.cccls. or 261/42.cccls. or 261/62-63.cccls.) or (261/64.1.cccls. or 261/65.cccls. or 261/75-76.cccls. or 261/94-96.cccls. or 261/100-102.cccls. or 261/105.cccls. or 261/108-109.cccls. or 261/113.cccls. or 261/114.1.cccls.) (118/723.cccls. or 118/723er.cccls. or 156/345.43-345.47.cccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |
| S40   | 2013  |  | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2005/06/21 14:03 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S41 | 9736  | 118/715.cccls. or 118/728.cccls. or 118/50.cccls. or 156/345.29.cccls. or 156/345.33.cccls. or 156/345.34.cccls. or 156/345.35.cccls. or 156/345.36.cccls. or 156/345.26.cccls. or 156/345.51.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S42 | 7874  | 137/262-264.cccls. or 137/454.2 or 137/560.cccls. or 137/561.cccls. or 137/561a.cccls. or 137/571-576.cccls. or 137/590.cccls. or 137/594-596.cccls. or 137/599.01.cccls. or 137/599.05-599.07.cccls. or 137/602.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S43 | 2413  | 141/285-286.cccls. or 141/37.cccls. or 141/44-47.cccls. or 141/54.cccls. or 141/301-302.cccls. or 141/367.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S44 | 471   | 261/127.cccls. or 261/131.cccls. or 261/146-147.cccls. or 261/150.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S45 | 2607  | 261/19-22.cccls. or 261/23.1.cccls. or 261/40.cccls. or 261/42.cccls. or 261/62-63.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S46 | 7161  | 261/64.1.cccls. or 261/65.cccls. or 261/75-76.cccls. or 261/94-96.cccls. or 261/100-102.cccls. or 261/105.cccls. or 261/108-109.cccls. or 261/113.cccls. or 261/141.cccls.  | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S47 | 29603 | (118/715.cccls. or 118/728.cccls. or 118/50.cccls. or 156/345.29.cccls. or 156/345.33.cccls. or 156/345.34.cccls. or 156/345.35.cccls. or 156/345.36.cccls. or 156/345.26.cccls. or 156/345.51.cccls.) or (137/262-264.cccls. or 137/454.2 or 137/560.cccls. or 137/561.cccls. or 137/594-596.cccls. or 137/599.01.cccls. or 137/599.05-599.07.cccls. or 137/602.cccls.) or (141/285-286.cccls. or 141/37.cccls. or 141/44-47.cccls. or 141/54.cccls. or 141/301-302.cccls. or 141/367.cccls.) or (261/127.cccls. or 261/131.cccls. or 261/146-147.cccls. or 261/150.cccls. or 261/19-22.cccls. or 261/23.1.cccls. or 261/40.cccls. or 261/42.cccls. or 261/62-63.cccls.) or (261/64.1.cccls. or 261/65.cccls. or 261/75-76.cccls. or 261/94-96.cccls. or 261/100-102.cccls. or 261/105.cccls. or 261/108-109.cccls. or 261/113.cccls. or 261/141.cccls.) | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S48 | 31053 | S40 or S47  | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S49 | 2013  | (118/723e.cccls. or 118/723er.cccls. or 156/345.43-345.47.cccls.)   | US-PGPUB; USPAT; EPO; JPO; DERVENT ;IBM_TDB | OR | ON | 2005/06/21 14:03 |

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|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S50 | 29603 | (118/715.ccls. or 118/728.ccls. or 118/500.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561.ccls. or 137/562.ccls.) or (141/285-286.ccls. or 141/377.ccls. or 141/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/9-22.ccls. or 261/1301-302.ccls. or 141/367.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2005/06/21 14:03 |
| S51 | 3     | ("6.042,738") or ("5,684,360") or ("6,420,701").PN.   | USPAT                                       | OR | OFF | 2005/11/30 13:36 |
| S52 | 3     | ("6042738") or ("5684360") or ("6420701").PN.   | US-PGPUB;                                   | OR | OFF | 2006/04/20 11:00 |
| S53 | 35    | 216/66.ccls. and (charge with neutral\$7)   | USPAT; EPO; JPO; DERWENT ;IBM_TDB           | OR | ON  | 2006/04/20 11:13 |
| S54 | 155   | "216"\$ccls. and (charge with neutral\$7) not S53   | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:13 |
| S55 | 17    | "216"/\$ccls. and (charge with (neutral\$7 and (scan\$3 or mov\$3 or translat\$4))) not S53   | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:13 |
| S56 | 13    | (wafer or substrate) and (milling with ion) and (charge with (neutral\$7 and (scan\$3 or mov\$3 or translat\$4))) not S53 not S55   | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:40 |
| S57 | 328   | (wafer or substrate) and (ion with (beam or gun)) and (charge with (neutral\$7 and (scan\$3 or mov\$3 or translat\$4))) not S53 not S55   | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:21 |
| S58 | 166   | S57 and (computer or controller or CPU)   | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:22 |
| S59 | 335   | (charge with (neutral\$7 and (scan\$3 or mov\$3 or translat\$4))) and (wafer or substrate) not S58  | US-PGPUB; USPAT; EPO; JPO; DERWENT ;IBM_TDB | OR | ON  | 2006/04/20 11:22 |
| S60 | 1     | ("5990476").PN. OR ("6642512").URPN.  | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2006/04/20 11:50 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S61 | 13  | ("4052614"   "4639301"   "4680467"   "4939360"   "5034605"   "5315113"   "5432345"   "5442424").PN. OR ("5990476").URPN.  | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 11:52 |
| S62 | 14  | ( "20030010913"   "4249077"   "4601211"   "5396067"   "5578821"   "5986264"   "6172363"   "6184525"   "6365896"   "6525317"   "6538254"   "6590210"   "6707041"   "6781124").PN. OR ("6979822").URPN. | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 13:57 |
| S63 | 14  | S62 and scan\$4   | US-PGPUB; USOCR                                     | OR | ON | 2006/04/20 14:01 |
| S65 | 8   | S62 and scan\$4 and neutraliz\$5  | US-PGPUB; USOCR                                     | OR | ON | 2006/04/20 14:02 |
| S66 | 8   | S62 and scan\$4 and neutraliz\$5  | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 14:10 |
| S67 | 9   | Stewart-Diane-K.in. or Knowles-W-Ralph.in. or Kimball-Brian-T.in.   | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 14:13 |
| S68 | 438 | (scan\$4 with (charge and neutraliz\$5))  | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 15:26 |
| S69 | 473 | (scan\$4 with (charge and neutraliz\$5))  | US-PGPUB; USPAT; USOCR                              | OR | ON | 2006/04/20 14:14 |
| S70 | 17  | S69 and FIB   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/20 14:17 |
| S71 | 59  | S69 and (ion adj1 beam) not S70   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/20 14:43 |
| S72 | 2   | "5576542".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/20 15:08 |

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|     |   |  |  |    |    |                  |
|-----|---|--|--|----|----|------------------|
| S73 | 2 | "5350480".pn.  | US-PPGUB;<br>USPAT;<br>USOCR;<br>EPO; IPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/20 15:26 |
| S74 | 1 | (scans\$4 with (charge and neutraliz\$5)) and "4818872".pn. and (electron) | US-PPGUB;<br>USPAT;<br>USOCR                                       | OR | ON | 2006/04/20 15:27 |